

# EFT-1 Heatshield Aerothermal Environment Reconstruction

A. Brandon Oliver,<sup>\*</sup> and Adam J. Amar,<sup>\*</sup>

*NASA Lyndon B. Johnson Space Center  
2101 NASA Parkway, Houston, TX, 77058*

Justin Droba<sup>†</sup>

*HX5  
2101 NASA Parkway, Houston, TX, 77058*

Victor Lessard<sup>‡</sup>

*NASA Langley*

Milad Mahzari<sup>§</sup>

*NASA Ames*

The EFT-1 Avcoat heatshield was instrumented with 34 plugs containing multiple thermocouples in-depth with an objective being to measure the flight aerothermal environment. This paper presents a discussion of the instrumentation and the techniques used to reconstruct the heating environment from the measured in-depth temperatures. The inverse heat transfer problem algorithms, models and assumptions will be outlined, and available results will be presented.

## I. Introduction

## References

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<sup>\*</sup>Applied Aeroscience and CFD Branch, Member AIAA.

<sup>†</sup>Applied Aeroscience and CFD Branch, Member AIAA.

<sup>‡</sup>Langley, Member AIAA.

<sup>§</sup>Ames, Member AIAA.